

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/773,440A

Source: 1FW0

Date Processed by STIC: 9/1/05

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 09/01/2005

PATENT APPLICATION: US/10/773,440A

TIME: 10:53:22

Input Set : A:\Sequence Listing ASCII, Docket No. 1619.0180001.T25.txt

Output Set: N:\CRF4\09012005\J773440A.raw

```

3 <110> APPLICANT: Fradet, Yves
4     Chypre, Camille
5     Piche, Lyson
6     Garon, Genevieve
8 <120> TITLE OF INVENTION: Method to Detect Prostate Cancer in a Sample
10 <130> FILE REFERENCE: 1619.0180001
12 <140> CURRENT APPLICATION NUMBER: 10/773,440A
13 <141> CURRENT FILING DATE: 2004-02-09
15 <150> PRIOR APPLICATION NUMBER: 60/445,436
16 <151> PRIOR FILING DATE: 2003-02-07
18 <160> NUMBER OF SEQ ID NOS: 13
20 <170> SOFTWARE: PatentIn version 3.2
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 47
24 <212> TYPE: DNA
25 <213> ORGANISM: Homo sapiens
27 <400> SEQUENCE: 1
28 aattctaata cgactcacta tagggaggat gaaacaggct gtgccga           47
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 20
33 <212> TYPE: DNA
34 <213> ORGANISM: Homo sapiens
36 <400> SEQUENCE: 2
37 agcattccca accctggcag           20
40 <210> SEQ ID NO: 3
41 <211> LENGTH: 45
42 <212> TYPE: DNA
43 <213> ORGANISM: Homo sapiens
45 <400> SEQUENCE: 3
46 aattctaata cgactcacta tagggcctgc ccataccttta aggaa           45
49 <210> SEQ ID NO: 4
50 <211> LENGTH: 20
51 <212> TYPE: DNA
52 <213> ORGANISM: Homo sapiens
54 <400> SEQUENCE: 4
55 caggaagcac aaaaggaagc           20
58 <210> SEQ ID NO: 5
59 <211> LENGTH: 24
60 <212> TYPE: DNA
61 <213> ORGANISM: Homo sapiens
63 <400> SEQUENCE: 5
64 cccagtctgc ggcggtgttc tggg           24
67 <210> SEQ ID NO: 6

```

RAW SEQUENCE LISTING

DATE: 09/01/2005

PATENT APPLICATION: US/10/773,440A

TIME: 10:53:22

Input Set : A:\Sequence Listing ASCII, Docket No. 1619.0180001.T25.txt

Output Set: N:\CRF4\09012005\J773440A.raw

```

68 <211> LENGTH: 28
69 <212> TYPE: DNA
70 <213> ORGANISM: Homo sapiens
72 <400> SEQUENCE: 6
73 cgcttgtag ggaaggacat tagaagcg 28
76 <210> SEQ ID NO: 7
77 <211> LENGTH: 506
78 <212> TYPE: DNA
79 <213> ORGANISM: Homo sapiens
81 <400> SEQUENCE: 7
82 caggaagcac aaaaggaagc acagaggtaa gtgctttata aagcactcaa tttctactca 60
84 gaaatttttg atggccttaa gttcctctac tcgtttctat ccttcctact cactgtcctc 120
86 ccggaatcca ctaccgattt tctatttctt gcctcgattt gtctgactgg ctcacttgga 180
88 tttatcctca cggagtctgg attttctacc cgggctcacc tccgtccctc catatttgtc 240
90 ctccactttc acagatccct gggagaaatg cccggccgcc atcttgggtc atcgatgagc 300
92 ctgcgccctgt gcctgggtccc gcttgtgagg gaaggacatt agaaaatgaa ttgatgtgtt 360
94 ccttaaagga tgggcaggaa aacagatcct gttgtggata tttatttgaa cgggattaca 420
96 gatttgaaat gaagtcacca aagtgagcat taccaatgag aggaaaacag acgagaaaat 480
98 cttgatggct tcacaagaca tgcaac 506
101 <210> SEQ ID NO: 8
102 <211> LENGTH: 278
103 <212> TYPE: DNA
104 <213> ORGANISM: Homo sapiens
106 <400> SEQUENCE: 8
107 caggaagcac aaaaggaagc acagagatcc ctgggagaaa tgcccggccg ccatcttggg 60
109 tcatcgatga gcctcgccct gtgcctggtc ccgcttgtga ggggaaggaca ttagaaaatg 120
111 aattgatgtg ttccttaaag gatgggcagg aaaacagatc ctgttgtgga tatttatttg 180
113 aacgggatta cagatttgaa atgaagtcac caaagtgagc attaccaatg agaggaaaac 240
115 agacgagaaa atcttgatgg cttcacaaga catgcaac 278
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 2036
120 <212> TYPE: DNA
121 <213> ORGANISM: Homo sapiens
124 <220> FEATURE:
125 <221> NAME/KEY: misc_feature
126 <222> LOCATION: (1472)..(1472)
127 <223> OTHER INFORMATION: n is a or c or g or t
129 <220> FEATURE:
130 <221> NAME/KEY: misc_feature
131 <222> LOCATION: (1517)..(1517)
132 <223> OTHER INFORMATION: n is a or c or g or t
134 <220> FEATURE:
135 <221> NAME/KEY: misc_feature
136 <222> LOCATION: (1563)..(1563)
137 <223> OTHER INFORMATION: n is a or c or g or t
139 <400> SEQUENCE: 9
140 agaagctggc atcagaaaaa cagaggggag atttgtgtgg ctgcagccga gggagaccag 60
142 gaagatctgc atggtgggaa ggacctgatg atacagagga attacaacac atatacttag 120
144 tgtttcaatg aacaccaaga taaataagtg aagagctagt ccgctgtgag tctcctcagt 180

```

RAW SEQUENCE LISTING

DATE: 09/01/2005

PATENT APPLICATION: US/10/773,440A

TIME: 10:53:22

Input Set : A:\Sequence Listing ASCII, Docket No. 1619.0180001.T25.txt

Output Set: N:\CRF4\09012005\J773440A.raw

```

146 gacacagggc tggatcacca tcgacggcac tttctgagta ctcagtgcag caaagaaaga      240
148 ctacagacat ctcaatggca ggggtgagaa ataagaaagg ctgctgactt taccatctga      300
150 ggccacacat ctgctgaaat ggagataatt aacatcacta gaaacagcaa gatgacaata      360
152 taatgtctaa gtagtgacat gtttttgcac atttccagcc cctttaaata tccacacaca      420
154 caggaagcac aaaaggaagc acagagatcc ctgggagaaa tgcccggccg ccatcttggg      480
156 tcatcgatga gcctcgccct gtgcctggtc ccgcttgatga gggaaggaca ttagaaaatg      540
158 aattgatgtg ttccctaaag gatgggcagg aaaacagatc ctggttgagg tattttattg      600
160 aacgggatta cagatttgaa atgaagtcac aaagtgcagc ttaccaatga gaggaaaaca      660
162 gacgagaaaa tcttgatggc ttcacaagac atgcaacaaa caaatggaa tactgtgatg      720
164 acatgaggca gccaaactgg ggaggagata accacggggc agagggtcag gattctggcc      780
166 ctgctgccta aactgtgcgt tcataaccaa atcatttcat atttctaacc ctcaaaacaa      840
168 agctgttgta atatctgata tctacgggtc cttctgggcc caacattctc catatatcca      900
170 gccacactca tttttaatat ttagttccca gatctgtact gtgaccttc tacactgtag      960
172 aataacatta ctcattttgt tcaaagacc ttctgttgtc tgccataat gtactgact      1020
174 gtttttcccta aggagtgttc tggcccaggg gatctgtgaa caggctggga agcatctcaa      1080
176 gatctttcca gggttatact tactagcaca cagcatgata attacggagt gaattatcta      1140
178 atcaacatca tcctcagtgt ctttgcccat actgaaattc atttccact tttgtgcca      1200
180 ttctcaagac ctcaaatgt cattccatta atatcacagg attaaacttt ttttttaacc      1260
182 tggaagaatt caatgttaca tgcagctatg ggaatttaac tacatatatt gttttccagt      1320
184 gcaaagatga ctaagtcctt tatccctccc cttgttttga ttttttttcc agtataaagt      1380
186 taaaatgctt agccttgtag tgaggctgta tacagcacag cctctcccca tcctccagc      1440
W--> 188 cttatctgtc atcaccatca acccctccca tnysacctaa acaaaatcta acttgtaatt      1500
190 ccttgaacat gtcaggncat acatttrtcc ttctgcctga gaagctcttc cttgtctctt      1560
192 aantctagaa tgatgtaaag ttttgaataa gttgactatc ttacttcatg caaagaaggg      1620
194 acacatatga gattcatcat ccatgagaca gcaataacta aaagtgtaat ttgattataa      1680
196 gagtttagat aaatatatga aatgcaagak ccacagaggg aatgtttatg gggcacgttt      1740
198 gtaagcctgg gatgtgaagm aaaggcaggg aacctcatag tatcttataa aatatacttc      1800
200 atttctctat ctctatcaca atatccaaca agcttttcac agaattcatg cagtgcacaa      1860
202 ccccaaaggt aacctttatc catttcatgg tgagtgcgct ttagaatttt ggcaaatcat      1920
204 atcggtcact tatctcaact ttgagatgtg tttgtccttg tagttaattg aaagaaatag      1980
206 ggcactcttg tgagccactt taggggtcac tcctggcaat aaagaattta caaaga      2036
209 <210> SEQ ID NO: 10
210 <211> LENGTH: 3582
211 <212> TYPE: DNA
212 <213> ORGANISM: Homo sapiens
214 <400> SEQUENCE: 10
215 acagaagaaa tagcaagtgc cgagaagctg gcatcagaaa aacagagggg agatttgtgt      60
217 ggctgcagcc gagggagacc aggaagatct gcatgggtgg aaggacctga tgatacagag      120
219 gaattacaac acatatactt agtgtttcaa tgaacaccaa gataaataag tgaagagcta      180
221 gtccgctgtg agtctcctca gtgacacagg gctggatcac catcgacggc actttctgag      240
223 tactcagtgc agcaaagaaa gactacagac atctcaatgg cagggtgag aaataagaaa      300
225 ggctgctgac ttaccatctt gaggccacac atctgctgaa atggagataa ttaacatcac      360
227 tagaaacagc aagatgacaa tataatgtct aagtagtgac atgtttttgc acatttccag      420
229 cccctttaa taccacaca cacaggaagc acaaaaggaa gcacagagat ccctgggaga      480
231 aatgcccggc cgcactcttg ggtcatcgat gagcctcgcc ctgtgcctgg tcccgttgt      540
233 gagggaaggc cattagaaaa tgaattgatg tgttccttaa aggatgggca ggaaaacaga      600
235 tcctgttgtg gatatttatt tgaacgggat tacagatttg aaatgaagtc acaaagtgag      660
237 cattaccaat gagaggaaaa cagacgagaa aatcttgatg gcttcacaag acatgaaca      720
239 aacaaaatgg aatactgtga tgacatgagg cagccaagct ggggaggaga taaccacggg      780

```

RAW SEQUENCE LISTING

DATE: 09/01/2005

PATENT APPLICATION: US/10/773,440A

TIME: 10:53:22

Input Set : A:\Sequence Listing ASCII, Docket No. 1619.0180001.T25.txt

Output Set: N:\CRF4\09012005\J773440A.raw

```

241 gcagaggggtc aggattctgg ccctgctgcc taaactgtgc gttcataacc aaatcatttc      840
243 atattttctaa ccctcaaaac aaagctgttg taatatctga tctctacggg tccttctggg      900
245 cccaacattc tccatataat cagccacact catttttaat atttagttcc cagatctgta      960
247 ctgtgacctt tctacactgt agaataacat tactcatttt gttcaaagac ccttcgtggt     1020
249 gctgcctaata atgtagctga ctgtttttcc taaggagtgt tctggcccag gggatctgtg     1080
251 aacaggctgg gaagcatctc aagatctttc caggggtata cttactagca cacagcatga     1140
253 tcattacgga gtgaattatc taatcaacat catcctcagt gtctttgccc atactgaaat     1200
255 tcatttccca cttttgtgcc cattctcaag acctcaaaat gtcattccat taatatcaca     1260
257 ggattaactt ttttttttaa cctggaagaa ttcaatgtta catgcagcta tgggaattta     1320
259 attacatatt ttgttttcca gtgcaaagat gactaagtcc tttatccctc ccctttgttt     1380
261 gatttttttt ccagtataaa gttaaaatgc ttagccttgt actgaggctg tatacagcac     1440
263 agcctctccc catccctcca gccttatctg tcatcaccat caaccctcc cataccacct     1500
265 aaacaaaatc taacttgtaa ttccctgaac atgtcaggac atacattatt ccttctgcct     1560
267 gagaagctct tccttgtctc ttaaactag aatgatgtaa agttttgaat aagttgacta     1620
269 tcttacttca tgcaaagaag ggacacatat gagattcatc atcacatgag acagcaaata     1680
271 ctaaaagtgt aatttgatta taagagttta gataaatata tgaaatgcaa gagccacaga     1740
273 gggaatgttt atggggcacg tttgtaagcc tgggatgtga agcaaaggca gggaacctca     1800
275 tagtatctta tataatatac ttcatttctc tatctctatc acaatatcca acaagctttt     1860
277 cacagaattc atgcagtga aatcccaaaa ggtaaccttt atccatttca tggtagtgct     1920
279 gctttagaat tttggcaaat catactgggc acttatctca actttgagat gtgtttgtcc     1980
281 ttgtagttaa ttgaaagaaa tagggcactc ttgtgagcca ctttaggggt cactcctggc     2040
283 aataaagaat ttacaaagag ctactcagga ccagttgtta agagctctgt gtgtgtgtgt     2100
285 gtgtgtgtgt gagtgatcat gccaaagtgt gcctctctct cttgacccat tatttcagac     2160
287 ttaaaacaag catgttttca aatggcacta tgagctgcca atgatgtatc accaccatat     2220
289 ctcatattc tccagtaaat gtgataataa tgtcatctgt taacataaaa aaagtttgac     2280
291 ttcacaaaag cagctggaaa tggacaacca caatatgcat aaatctaact cctaccatca     2340
293 gctacacact gcttgacata tattgttaga agcacctcgc atttgtgggt tctcttaagc     2400
295 aaaatacttg cattaggtct cagctggggc tgtgcatcag gcggtttgag aaatattcaa     2460
297 ttctcagcag aagccagaat ttgaattccc tcatctttta tgaactctg tccctctttg     2520
299 gagaggatc agacagctca ggtgctttca ctaatgtctc tgaactctg tccctctttg     2580
301 tgttcatgga tagtccaata aataatgtta tctttgaact gatgctcata ggagagaata     2640
303 taagaactct gagtgatata aacattaggg attcaaagaa atattagatt taagctcaca     2700
305 ctggtcaaaa ggaaccaaga tacaagaac tctgagctgt catcgtcccc atctctgtga     2760
307 gccacaacca acagcaggac ccaacgcagt tctgagatcc ttaaatacaag gaaaccagtg     2820
309 tcatgagttg aattctccta ttatggatgc tagcttctgg ccactctctg ctctcctctt     2880
311 gacacatatt agcttctagc ctttgcttcc acgactttta tcttttctcc aacacatcgc     2940
313 ttaccaatcc tctctctgct ctgttgcttt ggacttcccc acaagaattt caacgactct     3000
315 caagtctttt cttccatccc caccactaac ctgaattgcc tagaccctta tttttattaa     3060
317 tttccaatag atgctgccta tgggctaata ttgctttaga tgaacattag atattttaag     3120
319 tctaagaggt tcaaaatcca actcattatc ttctctttct ttcacctccc ctgctcctct     3180
321 ccctatatta ctgattgact gaacaggatg gtccccaaga tgccagtcaa atgagaaacc     3240
323 cagtggctcc ttgtggatca tgcattgaag actgctgaag ccagaggatg actgattacg     3300
325 cctcatgggt ggaggggacc actcctgggc cttcgtgatt gtcaggagca agacctgaga     3360
327 tgctccctgc cttcagtgct ctctgcatct cccctttcta atgaagatcc atagaatttg     3420
329 ctacatttga gaattccaat taggaactca catgttttat ctgccctatc aattttttaa     3480
331 acttgctgaa aattaaagtt tttcaaaatc tgtccttgta aattactttt tcttacagtg     3540
333 tcttggcata ctatatcaac tttgattctt tgttacaact tt                        3582
336 <210> SEQ ID NO: 11
337 <211> LENGTH: 7130

```

RAW SEQUENCE LISTING

DATE: 09/01/2005

PATENT APPLICATION: US/10/773,440A

TIME: 10:53:22

Input Set : A:\Sequence Listing ASCII, Docket No. 1619.0180001.T25.txt

Output Set: N:\CRF4\09012005\J773440A.raw

```

338 <212> TYPE: DNA
339 <213> ORGANISM: Homo sapiens
341 <400> SEQUENCE: 11
342 gaattccaca ttgtttgctg cacgttggat tttgaaatgc tagggaactt tgggagactc      60
344 atattttctgg gctagaggat ctgtggacca caagatcttt ttatgatgac agtagcaatg      120
346 tatctgtgga gctggattct gggttgggag tgcaaggaaa agaattgact aaatgccaaag      180
348 acatctatctt caggagcatg aggaataaaa gttctagttt ctggtctcag agtgggtgcag      240
350 ggatcaggga gtctcacaat ctctctgagt ctggtgtctt agggcacact gggctcttga      300
352 gtgcaaagga tctaggcacg tgaggctttg tatgaagaat cggggatcgt acccaccctc      360
354 tgtttctgtt tcatcctggg catgtctcct ctgcctttgt cccctagatg aagtctccat      420
356 gagctacaag ggcctgggtg atccagggtg atctagtaat tgcagaacag caagtgcctag      480
358 ctctccctcc ccttccacag ctctgggtgt gggagggggg tgtccagcct ccagcagcat      540
360 ggggagggcc ttggctcagcc tctgggtgcc agcagggcag gggcggagtc ctgggggaatg      600
362 aagggttttat agggctcctg ggggaggtct cccagcccca agcttaccac ctgcaccctg      660
364 agagctgtgt caccatgtgg gtcccgggtt tcttctcac cctgtccgtg acgtggattg      720
366 gtgagagggg ccatggttgg ggggatgcag gagagggagc cagccctgac tgtcaagctg      780
368 aggtcttttc cccccaacc cagcacccca gccagacag ggagctgggc tcttttctgt      840
370 ctctcccagc cccacttcaa gcccataccc ccagcccctc catattgcaa cagtctcac      900
372 tcccacacca ggtcccgcct ccctcccact taccacagaa ctttctcccc attgccagc      960
374 cagctccctg ctcccagctg ctttactaaa ggggaagtgc ctgggcatct ccgtgtttct      1020
376 ctttgtgggg ctcaaaacct ccaaggacct ctctcaatgc cattgggttc ttggaccgta      1080
378 tactgggtcc atctcctgag cccctcaatc ctatcacagt ctactgactt ttcccattca      1140
380 gctgtgagtg tccaacccta tcccagagac cttgatgctt ggctcccaa tcttgcccta      1200
382 ggatacccag atgccaacca gacacctcct tcttcttagc caggctatct ggctgagac      1260
384 aacaaatggg tccctcagtc tggcaatggg actctgagaa ctctcattc cctgactctt      1320
386 agcccagac tcttcattca gtggcccaca ttttcttag gaaaaacatg agcatcccca      1380
388 gccacaactg ccagctctct gattcccaca atctgcatcc ttttcaaac ctaaaaaca      1440
390 aaagaaaaaac aaataaaaca aaaccaatc agaccagaac tgttttctca acctgggact      1500
392 tcctaaactt tcaaaacct tcctcttcca gcaactgaac ctggccataa ggcacttatc      1560
394 cctggttctt agcaccctt atcccctcag aatccacaac ttgtaccaag tttcccttct      1620
396 cccagtccaa gaccccaaat caccacaaag gacccaatcc ccagactcaa gatatggtct      1680
398 gggcgctgtc ttgtgtctcc taccctgac cctgggttca actctgctcc cagagcatga      1740
400 agcctctcca ccagcaccag ccaccaacct gcaaacctag ggaagattga cagaattccc      1800
402 agcctttccc agctcccctt gcccatgtcc caggactccc agccttgggt ctctgcccc      1860
404 gtgtcttttc aaaccacat cctaaatcca tctctatcc gagtccccca gttcccctg      1920
406 tcaaccctga tcccctgat ctagcaccct ctctgcaggc gctgcgcccc tcatcctgtc      1980
408 tcggattgtg ggaggctggg agtgcgagaa gcattcccaa ccctggcagg tgcttgtggc      2040
410 ctctcgtggc agggcagctt gcggcggtgt tctggtgcac cccagtgagg tctcacagc      2100
412 tgcccaactg atcaggaagt gagtaggggc ctggggtctg gggagcagggt gtctgtgtcc      2160
414 cagaggaata acagctgggc attttcccca ggataacctc taaggccagc cttgggactg      2220
416 ggggagagag ggaaagtctt ggttcaggtc acatggggag gcagggttg ggctggacca      2280
418 cctcccccac ggctgccttg gtctccatct gtgtccctct atgtctcttt gtgtcgcttt      2340
420 cattatgtct cttggttaact ggcttcgggt gtgtctctcc gtgtgactat tttgttctct      2400
422 ctctccctct cttctctgtc ttcagctctc atatctcccc ctctctctgt ccttctctgg      2460
424 tccctctcta gccagtgtgt ctcaacctgt atctctctgc caggctctgt ctctcggtct      2520
426 ctgtctcacc tgtgccttct ccctactgaa cacacgcacg ggatgggcct ggggggaccc      2580
428 tgagaaaagg aagggtttt gctgggcgcg gtggctcaca cctgtaatcc cagcactttg      2640
430 ggaggccaag gcaggtagat cacctgaggt caggagtctg agaccagcct ggccaactgg      2700
432 tgaaacccca tctctactaa aaatacaaaa aattagccag gcgtggtggc gcatgcctgt      2760

```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/01/2005
PATENT APPLICATION: US/10/773,440A TIME: 10:53:23

Input Set : A:\Sequence Listing ASCII, Docket No. 1619.0180001.T25.txt
Output Set: N:\CRF4\09012005\J773440A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9; N Pos. 1472,1517,1563

VERIFICATION SUMMARY

DATE: 09/01/2005

PATENT APPLICATION: **US/10/773,440A**

TIME: 10:53:23

Input Set : **A:\Sequence Listing ASCII, Docket No. 1619.0180001.T25.txt**

Output Set: **N:\CRF4\09012005\J773440A.raw**

L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:1440

M:341 Repeated in SeqNo=9